User Manual

Introduction

The ExpressCard Firewire 1394a Host Controller Card is designed base on the IEEE standard 1394-1995 and compliant with IEEE standard 1394a-2000. It provides a data transfer rate up to 400Mbps, therefore it is an ideal platform for connecting external high performance devices, i.e. external memory storages. With this speed, it is also perfect for video capturing and audio data transfer.

- Compliant with ExpressCard / 34mm Type II standard
- Compatible to 1-Lane (x1) PCI-Express with transfer rate 2.5Gb/s throughput
- Compliant with IEEE 1394 OpenHCI Specification V1.0 and 1.1
- Compliant with IEEE 1394-1995 and 1394a-2000 standard
- Support transfer rate of 400 / 200 / 100Mbps
- Fully interoperable with FireWire and i.LINK implementation of IEEE 1394 Standard
- 12VDC jack interface for external power source (not provided in this package)
- Fully Plug and Play and Hot Plug compatible
- Windows 98SE,ME,2000,XP,XP 64-bit,Server 2003,XP 64-bit,Vista supported

WARNING

Before installing and activating the controller card, please make sure you have a complete backup of your existing data from hard drives. Manufacturer is not responsible for data loss due to abuse, misuse, or neglect. Should you have any installation problem, please contact your dealer for assistance.

Installing Windows drivers for the Controller Card

Before the installation of the controller card, let us make the following assumptions:

1. The end users must have the basic knowledge of installing a device and its driver to a notebook. If they are not sure about their abilities or have any queries, please call their local dealers immediately, or find somebody who are experienced and qualified for assistance.
2. The computer has been properly installed with our supported Windows operating system

Installing the controller card into the computer

1. Insert the controller card into an empty ExpressCard / 54 or 34mm slot. As the card supports Hot Plug function, it could be inserted into the ExpressCard slot while the notebook is in power on or power off condition.
2. When the card is detected, the OS will ask for the software driver. To install the software driver, read the next section.
3. Connect the 1394a devices with the 1394a cable (not included in this package) to the 1394a ports of the controller.
4. Insert the 12VDC supply (not provide in this package) into the DC jack on the controller card if necessary.

Installing Windows driver for the controller card

1. Once Windows is running, a new 1394a controller card is detected.
2. Windows will load its own driver for the controller card automatically.
3. Follow the on-screen manual instructions and wait for the Windows starts completely and the 1394a ports are ready to use.
4. If there are devices attached to the 1394a ports, Windows will also detect these devices, and ask for their drivers.
5. Refer to their user manuals of these devices to complete the installation

Notice:
Most OS have their own driver for the controller card, but they might not have the driver for the external devices connecting to the controller card. Therefore be sure the driver for the external devices is available before installation.

When the device driver is properly installed, there will not be any question and exclamation mark shown against this device in the **Devices Manager**. If yes, check the following

1. The driver for the controller card is installed straightly according to the procedure listed above
2. If an older version driver is installed previously
3. The driver for a similar product is installed
4. In the worst case, the controller card is defective. Please contact your local dealer or distributor immediately

Updating the operating systems software drivers
The updated software drivers are always available for download on the following website:

http://www.drivers-download.com

Search for DL code: **307102** on **Download** or **Search Engine** for any 1394a driver update.

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